

**REMARKS**

The non-elected claims have been cancelled responsive to the restriction requirement. Applicants reserve the right to prosecute the non-elected claims in a divisional application.

The Examiner rejected claims 6-11 under 35 USC Section 112, first and second paragraphs. In view of the following comments, the Examiner's rejection is respectfully traversed and reconsideration of the claims is respectfully requested.

In the 112 first paragraph rejection the Examiner states "the applicant discusses the claimed limitation but fails to teach how the claimed limitation have been inventively determined." The Applicants do not understand the Examiner's rejection or how it is based on 112 first paragraph. A transducer is defined in claim 6 and the specification enables one of ordinary skill in the art to make and use it. Accordingly, the requirements of 35 USC Section 112, first paragraph, have been met.

In the office action, the Examiner indicated with respect to the second paragraph rejection that the claims are not clear, and further that "there are too many informalities such that it would be a burden to list them all." The Applicants have reviewed claim 6 and rewritten it to appease the Examiner. However the Applicants find both the claims submitted originally and those in the present amendment to be clear and distinct to one skilled in the art of transducers, such that in the absence of some more explicit explanation it is difficult to respond to the Examiner's concerns.

Applicants further submit that Q is a well known term. The Q factor, or quality factor, is commonly used in the art of transducers to compare the frequency at which a physical system oscillates to the rate at which it dissipates energy. A higher Q corresponds to a lower rate of energy dissipation relative to the oscillation frequency. Q also compares the time constant for decay in the amplitude of an oscillating physical system to the oscillation period of that system. An oscillating physical system that is externally excited will respond to frequencies close to its natural frequency much more strongly than it will respond to other frequencies. In the immediate application, the claims thus clearly define a transducer which is not heretofore known to the Applicants, and thus it is submit that the claimed invention is patentable and inventive.

It is respectfully submitted that the claimed invention is clearly described and enabled to one of ordinary skill in the transducer art.

The Commissioner is hereby authorized to debit the requisite fee to Motorola, Inc., Deposit Account No. 50-2117, and credit any overpayment, to the same account.

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Respectfully submitted,

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